



ELECTRONIC TUBE REFERENCE

5BS8

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

High-frequency low-noise twin triode specifically intended for cascode VHF amplifier service, particularly the sensitive RF front end of television and similar receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.6 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
Two similar triode sections; represented once under identical-section compression.	

SECTION2 Triode	
PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second physical triode section; electrically identical twin section.</i>	

High-frequency low-noise twin triode for cascode VHF amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Westinghouse Data Book

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1965 WESTINGHOUSE DATA BOOK

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage maximum	150 V	—
Cathode current maximum	20 mA	—
Plate dissipation maximum	2 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance per section	1.15 pF	—
Plate-to-cathode capacitance per section	0.15 pF	—
Inter-section plate-to-plate capacitance	0.01 pF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Class-A plate resistance	5000 ohm	ClassA
Class-A transconductance	10000 uS	ClassA
Cascode transconductance	7200 uS	Cascode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Low-noise VHF cascode amplifier	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

